VirginiaDrugDiscoveryRx:
Emerging Targets, Technologies, and Therapeutics for Cancer and Neuroscience
May 21-22, 2019
Hotel Roanoke, Roanoke VA

DAY 1 Chairs (tbd)

11:00 am  Registration opens
1:00 pm  Symposium Opens:
  Welcome from David G. I. Kingston (Virginia Tech), Meeting Chair
  Welcome from Jeff Gallagher, President, VirginiaBio
1:15 pm  Keynote 1: Laura Bohn (Scripps Research Institute)
  Title tbd
1:55 pm  Keynote Q & A
2:00 pm  Keynote 2: Judy Leopold (University of Michigan)
  “Precision Polypharmacology: A Rational Design Approach to Cancer Drug Resistance”
2:40 pm  Keynote Q & A
2:45 pm  Invited Talk 1: Phil Bourne (University of Virginia)
  “Drug Discovery in the Age of Data Science”
3:00 pm  Coffee break/Poster Session
4:00 pm  Keynote 3: Craig Lindsley (Vanderbilt University)
  “CNS Drug Discovery in an Academic Environment”
4:40 pm  Keynote Q & A
4:45 pm  Invited Talk 2: P. Read Montague (Fralin Biomedical Research Institute at Virginia Tech Carilion & Department of Physics, Virginia Tech) “Addiction is a Computational Disease”
5:00 pm  **Invited Talk 3:** Xiang-Yang Wang (Virginia Commonwealth University)  
“Developing the Next Generation of Immune Modulator for Improved Cancer Immunotherapy”

5:15 pm  **Panel Discussion 1:** Big Data and Drug Discovery  
Phil Bourne (University of Virginia), Chair

6:15 pm  Beer & Biotech Mixer

7:30 pm  Dinner

8:30 pm  After-Dinner remarks by Mike Friedlander (Fralin Biomedical Research Institute at Virginia Tech Carilion)

Day 2 Chairs  (tbd)

7:30 am  Breakfast

8:30 am  Welcome to Day 2:

8:35 am  **Keynote 4:** Susan Band Horwitz (Albert Einstein College of Medicine)  
“Taxol, tubulin, and tumors: a story of drug development”

9:15 am  Keynote Q & A

9:20 am  **Keynote 5:** Susan Amara (NIH)  
“Dynamic regulation of signaling in dopamine neurons: new pathways for neuropsychiatric drug discovery”

10:00 am  Keynote Q & A

10:05 am  **Coffee break/Poster Session**

11:00 am  **Panel Discussion 2:** “How to move your project towards commercialization and win a Catalyst award”  
Chair, tbd

12:00 pm  **Lunch and Sponsor Presentations**

1:00 pm  **Invited Speaker 4:**Saleet Jafri (George Mason University)  
“Translational Applications of Protein Structure Simulation: Predicting Phenotype of Missense Variants”
1:15 pm  **Invited Speaker 5**: O. John Semmes (Eastern Virginia Medical School)  
“Building Multi-Omic Disease Models of Cancer to Drive Personalized Medicine”

1:30 pm  **Invited Speaker 6**: Nominee from SRI  
title: tbd

1:45 pm  **Keynote 6**: Donna Huryn (University of Pittsburgh)  
“Development of Novel Inhibitors of the AAA ATPase p97 to Interrogate Novel Biology and Fuel Drug Discovery”

2:25 pm  Keynote Q & A

2:30 pm  Symposium Wrap-up Discussion

3:00 pm  Meeting close